

## APPENDIX A

# DESERT COUNTRIES OF THE WORLD

This appendix provides brief descriptions of notable deserts of the world. Detailed information can be obtained from a terrain analysis from the Defense Intelligence Agency and the relevant volume of the DA Pamphlet 550-series. See Figure A-1 for desert locations of the world.

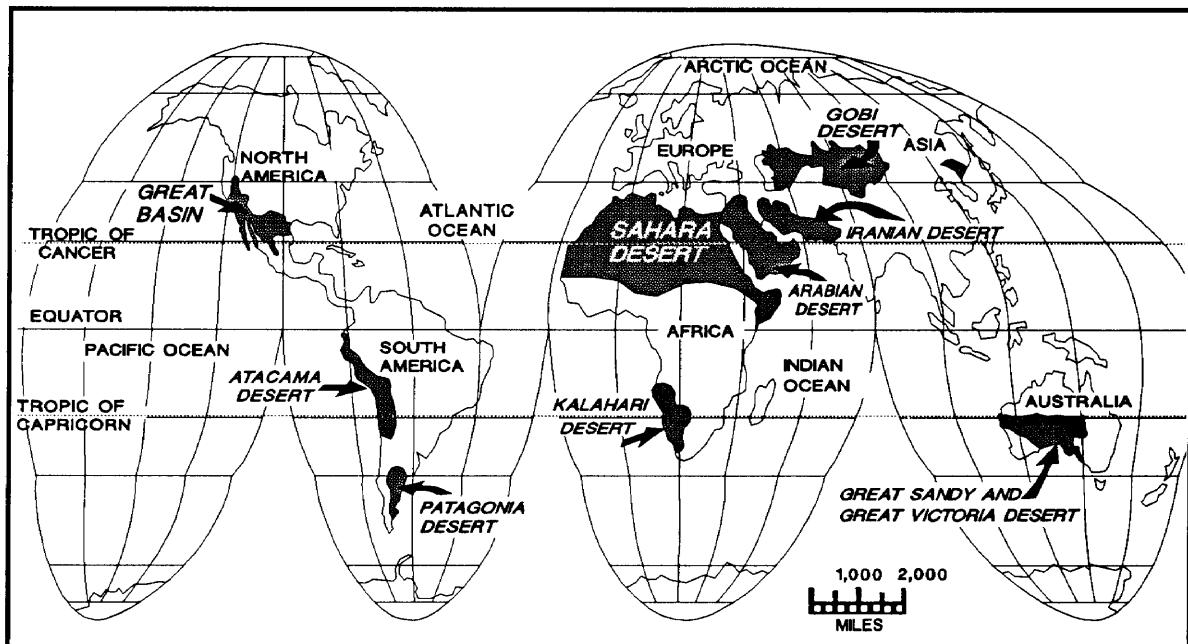


Figure A-1. Deserts of the world.

### NOTABLE DESERTS OF THE WORLD

ARABIAN (EASTERN)	70,000 square miles	In Egypt between the Nile River and Red Sea, extending southward into the Sudan
ATACAMA	600 miles long	In northern Chile
CHIHUAHUA	140,000 square miles	In New Mexico, Texas, Arizona and Mexico
COLORADO	7,500 square miles	South of the Mojave desert, along the Colorado River in southern California

DEATH VALLEY	3,300 square miles	In eastern California and southwest Nevada
GIBSON	120,000 square miles	In the interior of western Australia
GOBI	500,000 square miles	In Mongolia and China
GREAT SANDY	150,000 square miles	In western Australia
GREAT VICTORIA	150,000 square miles	In western and southern Australia
KALAHARI	225,000 square miles	In southern Africa
KARA-KUM	120,000 square miles	In Turkmenia (former Soviet Union)
KAVIR	400 miles long	In central Iran
KYZL KUM	100,000 square miles	Kazakhstan and Uzbekistan (former Soviet Union)
LUT	20,000 square miles	In eastern Iran
MOJAVE	15,000 square miles	In southern California
NAFUD	40,000 square miles	Near Jawf in Saudi Arabia
NAMIB	800 miles long	Along the southwest coast of Mica
NUBIAN	100,000 square miles	In the Sahara in northeast Sudan
PAINTED DESERT	150 miles long	In northern Arizona
SAHARA	3,500,000 square miles	In Northern Africa extending westward to the Atlantic (largest desert in the world)
SIMPSON	40,000 square miles	In central Australia
SONORAN	70,000 square miles	In southwest Arizona and southeast California
SYRIAN	100,000 square miles	In northern Saudi Arabia eastern Jordan, southern Syria, and western Iraq

Table 1-1. Desert countries of the world.

COUNTRY	AREA SQ MILES	POPULATION (MILLIONS)	LANGUAGE(S)	ADJACENT COUNTRIES
Algeria	919,487	24.2	Arabic French Berber	Morocco Western Sahara Mauritania Mali Niger Libya Tunisia
Bahrain	255	.480	Arabic English Farsi Urdu	Saudi Arabia Qatar
Egypt	386,660	53.3	Arabic English French Arabic	Libya Sudan Israel
Iran	636,293	51.9	Farsi Turkish Kurdish Arabic English	Iraq Turkey Former Soviet Union Afghanistan Pakistan
Iraq	167,924	17.6	Arabic Kurdish Assyrian Armenian	Syria Jordan Saudi Arabia Kuwait Iran Turkey
Israel	8,019	4.3	Hebrew Arabic English French	Egypt Jordan Syria Lebanon
Jordan	35,475	2.9	Arabic English	Israel Syria Iraq Saudi Arabia
Kuwait	6,880	1.9	Arabic English	Iraq Saudi Arabia
Lebanon	4,015	2.7	Arabic French Armenian English	Syria Israel

Table 1-1. Desert countries of the world (cont).

COUNTRY	AREA SQ MILES	POPULATION (MILLIONS)	LANGUAGES	ADJACENT COUNTRIES
Libya	679,359	4.0	Arabic Italian English	Egypt Sudan Chad Niger Algeria Tunisia
Oman	82,031	1.3	Arabic English Baluchi Urdu	UAE Saudi Arabia Yemen
Qatar	4,247	.328	Arabic English	UAE Saudi Arabia Bahrain
Saudi Arabia	829,996	15.5	Arabic	Bahrain Iraq Jordan Yemen Oman UAE Qatar Kuwait
Syria	71,498	11.6	Arabic Kurdish	Lebanon Israel Turkey Iraq Jordan
Tunisia	63,170	7.7	Arabic French	Algeria Libya
United Arab Emirates	32,278	2.0	Arabic English Farsi Hindi Urdu	Qatar Saudi Arabia Oman

## AUSTRALIA

DESERTS: GIBSON, GREAT SANDY, GREAT VICTORIA, SIMPSON

### AUSTRALIA - GENERAL INFORMATION

Area	2,967,895 sq mi
Population Growth	1.17 %
Population Density	5 /sq mi
Capital City	CANBERRA

### AUSTRALIA - MAJOR CITIES

	Population	Latitude, Longitude
CANBERRA	274,000	35.18S, 149.08E
Sydney	3,441,000	33.53S, 151.10E
Melbourne	2,949,000	37.45S, 144.58E
Brisbane	1,169,000	27.30S, 153.00E
Perth	1,001,000	31.57S, 115.52E
Adelaide	987,000	34.56S, 138.36E
Newcastle	423,000	17.20S, 133.21E
Wollongong	238,000	17.13S, 137.57E
Gold Coast	208,000	27.59S, 153.22E
Hobart	180,000	42.54S, 147.18E
Geelong	150,000	38.10S, 144.26E

### AUSTRALIA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	English Aborigine	
Ethnic Groups	White Asian Aborigine and Other	95% 4% 1%
Religions	Anglican Catholic Other Christian Other	26% 26% 24% 24%

## SOUTH AMERICA

### CHILE

DESERTS: ATACAMA

## CHILE - GENERAL INFORMATION

Area	756,945 sq km
Population Growth	1.49 %
Population Density	17 /sq km

## CHILE - MAJOR CITIES

	Population	Latitude, Longitude,
SANTIAGO	4,320,000	33.30S, 70.40W
Vina del Mar	320,000	33.02S, 71.35W
Valparaiso	273,000	33.05S, 71.40W
Talcahuano	225,000	36.40S, 73.10W
Conception	281,000	36.50S, 73.03W
Antofagasta	203,000	23.40S, 70.23W
Temuco	175,000	38.45S, 72.40W
Rancagua	157,000	34.10S, 70.45W
Talca	145,000	35.28S, 71.40W
Chillan	130,000	36.37S, 72.10W
Arica	158,000	18.30S, 70.20W

## CHILE - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Spanish	
Ethnic Groups	European and Mestizo	95 %
	Native American	3%
	Other	2%
Religions	catholic	89%
	Protestant and Other	11 %

**ASIA**

## CHINA

## DESERTS: GOBI

## CHINA - GENERAL INFORMATION

Area	9,600,000 Sq km
Population Growth	1.24 %
Population Density	113 /sq km
Capital City	BEIJING

## CHINA - MAJOR CITIES

	Population	Latitude, Longitude
BEIJING	6,000,000	39.55N, 116.26E
Shanghai	7,000,000	31.06N, 121.22E
Tianjin	5,400,000	39.08N, 117.12E
Shenyang	4,200,000	41.50N, 123.26E
Wuhan	3,400,000	36.45N, 114.15E
Guangzhou	3,300,000	23.08N, 113.20E
Chongqing	2,800,000	29.30N, 106.35E
Harbin	2,630,000	45.45N, 126.41E
Chengdu	2,580,000	30.37N, 104.06E
Nanjing	2,250,000	32.03N, 118.47E

## CHINA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Mandarin Cantonese Shanghainese Fuzhou Minnan and Other	
Ethnic Groups	Han Chinese Other	94% 6%
Religions	Atheist and Eclectic Other	97 % 3%

**MONGOLIA**

## DESERTS: GOBI

## MONGOLIA - GENERAL INFORMATION

Area	1,564,619 sq km
Population Growth	2.76 %
Population Density	1 /sq km
Capital City	ULAN-BATOR

## MONGOLIA - MAJOR CITIES

	Population	Latitude, Longitude
ULAN-BATOR	511,000	47.54N, 106.52E
Darhan	75,000	46.29N, 109.24E
Erdene	46,000	46.18N, 100.35E

Choybalsan	23,000	48.02N, 114.32E
Nalayh	15,000	47.40N, 107.12E
Ulangom	15,000	49.59N, 92.00E
Uliastay	14,000	47.42N, 96.52E

**MONGOLIA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS**

Languages	Khalkha Mongol Turkish Russian Chinese	
Ethnic Groups	Mongol Kazakh Chinese Russian Other	90% 4% 2% 2% Other
Religions	Tibetan Buddhist Muslim Other	94% 4% 1%

**PAKISTAN****DESERTS: THAR****PAKISTAN - GENERAL INFORMATION**

Area	803,943 sq km
Population Growth	2.70 %
Population Density	134 /sq km
Capital City	ISLAMABAD

**PAKISTAN - MAJOR CITIES**

	Population	Latitude, Longitude
ISLAMABAD	270,000	33.40N, 73.08E
Karachi	5,400,000	24.51N, 67.02E
Lahore	3,132,000	31.34N, 74.22E
Faisalabad	888,000	31.25N, 73.09E
Rawalpindi	810,000	33.40N, 73.08E
Hyderabad	770,000	25.23N, 68.24E
Multan	750,000	30.10N, 71.36E
Gujranwala	700,000	32.06N, 74.11E
Peshawar	600,000	34.01N, 71.40E
Sialkot	310,000	32.29N, 74.35E
Sargodha	300,000	32.01N, 72.40E

## PAKISTAN - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Urdu English Punjabi Sindhi Pashtu and Other
Ethnic Groups	Punjabi 66% Sindhi 13 % Pashtun 9% Baluchi and Other 12%
Religions	Sunni Muslim 77 % Shi'a Muslim 20 % Other 3%

## AFGHANISTAN

### DESERTS: KAR KUM

### AFGHANISTAN - GENERAL INFORMATION

Area	249,999 sq mi
Population Growth	2.35 %
Population Density	58 /sq mi
Capital City	KABUL

### AFGHANISTAN - MAJOR CITIES

	Population	Latitude, Longitude
KABUL	1,127,000	34.31N, 69.12E
Qandahar	195,000	31.35N, 65.45E
Herat	156,000	34.20N, 62.12E
Mazar-i-Sharif	115,000	36.42N, 67.06E
Jalalabad	111,000	34.26N, 70.28E
Qonduz	110,000	36.45N, 68.51E
Baghlan	109,000	36.11N, 68.44E
Maymana	40,000	35.53N, 64.38E
Pul-i-Khomri	35,000	35.55N, 68.45E
Ghazni	32,000	33.33N, 68.26E

## AFGHANISTAN - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Pashtu Dari Turkish Languages Baluchi Pashai
Ethnic Groups	Pashtun 50 % Tajik 25 % Uzbek 9% Hazara 9% Other 7 %
Religions	Sunni Muslim 74% Shi'a Muslim 15 % Other 11 %

**SOUTHWEST ASIA****EGYPT**

## DESERTS: SAHARA

## EGYPT - GENERAL INFORMATION

Area	1,001,449 sq km
Population Growth	2.65 %
Population Density	53 /sq km
Capital City	CAIRO

## EGYPT - MAJOR CITIES

	Population	Latitude, Longitude
CAIRO	11,000,000	30.03N, 31.15E
Alexandria	2,905,000	31.13N, 29.55E
Giza	1,640,000	30.01N, 31.10E
Shoubra El-Kheima	497,000	30.06N, 31.15E
El Mahalla El Koubra	355,000	30.59N, 31.10E
Tanta	344,000	30.48N, 31.00E
Port Said	364,000	31.17N, 32.18E
El-Mansoura	260,000	31.03N, 31.23E
Asyut	257,000	27.14N, 31.07E
Zagazig	256,000	30.35N, 31.30E
Suez	274,000	29.59N, 32.33E

### EGYPT - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Arabic English French	
Ethnic Groups	Eastern Hamitic Other	90% 10%
Religions	Sunni Muslim Other	94 % 6%

### IRAN

#### DESERTS: KAVIR, LUT

#### IRAN - GENERAL INFORMATION

Area	1,648,000 sq km
Population Growth	3.23 %
Population Density	32 /sq km
Capital City	TEHRAN

#### IRAN - MAJOR CITIES

	Population	Latitude, Longitude
TEHRAN	6,028,000	35.40N, 51.26E
Mashad	1,120,000	36.41N, 52.39E
Isfahan	930,000	32.41N, 51.41E
Tabriz	855,000	38.05N, 46.18E
Shiraz	801,000	29.38N, 52.34E
Bakhtaran	535,000	31.28N, 54.54E
Karaj	527,000	35.48N, 50.58E
Ahwaz	471,000	31.17N, 48.43E
Qom	425,000	34.39N, 50.57E
Abadan	329,000	30.20N, 48.15E

### IRAN - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Farsi Turkish Kurdish Arabic English
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Ethnic Groups	Persian	63 %
	Turkish	18%
	Kurdish	3%
	Arab and Other	16%
Religions	Shi'a Muslim	93%
	Sunni Muslim	5%
	Bahai and Other	2%

## IRAQ

### DESERTS: ARABIAN

#### IRAQ - GENERAL INFORMATION

Area	434,924 sq km
Population Growth	3.53 %
Population Density	40 /sq km
Capital City	BAGHDAD

#### IRAQ - MAJOR CITIES

	Population	Latitude, Longitude
BAGHDAD	3,250,000	33.20N, 44.26E
Basra	1,600,000	30.30N, 47.50E
Mosul	1,250,000	36.21N, 43.08E
Kirkuk	535,000	35.28N, 44.26E
An Najaf	141,000	31.59N, 44.19E
Erbil	99,000	36.12N, 44.01E

#### IRAQ - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Arabic Kurdish Assyrian Armenian	
Ethnic Groups	Arab Kurdish Other	75 % 17 % 8%
Religions	Shi'a Muslim Sunni Muslim Christian and Other	62% 35 % 3%

**LIBYA****DESERTS: SAHARA****LIBYA - GENERAL INFORMATION**

Area	1,759,540 sq km
Population Growth	3.08 %
Population Density	2 /sq km
Capital City	TRIPOLI

**LIBYA - MAJOR CITIES**

	Population	Latitude, Longitude
TRIPOLI	610,000	32.49N, 13.07E
Misurata	320,000	32.07N, 20.04E
Benghazi	103,000	32.23N, 15.06E
Azzawiya	94,000	32.45N, 12.44E
Al-Beida	77,000	32.49N, 12.45E
Agedabia	51,000	30.48N, 20.15E
Dama	48,000	32.40N, 22.35E
Sebha	41,000	27.09N, 14.29E
Tubruq	35,000	32.05N, 20.30E
A1-Marj	30,000	32.25N, 20.30E
Zeleiten	26,000	32.28N, 14.34E

**LIBYA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS**

Languages	Arabic Italian English	
Ethnic Groups	Arab Berber Other	97% 3%
Religions	Sunni Muslim Other	97% 3%

**SYRIA****DESERTS: SYRIAN****SYRIA - GENERAL INFORMATION**

Area	185,180 sq km
Population Growth	3.74 %
Population Density	62 /sq km
Capital City	DAMASCUS

## SYRIA - MAJOR CITIES

	Population	Latitude, Longitude
DAMASCUS	1,250,000	33.30N, 36.19E
Aleppo	1,200,000	36.14N, 37.10E
Helms	430,000	34.44N, 37.17E
Latakaia	240,000	35.31N, 35.47E
Hama	200,000	35.05N, 36.40E
Deir ez-Zor	106,000	35.20N, 40.05E
Rakka	90,000	35.57N, 39.03E
Hasakeh	74,000	36.32N, 40.44E
Tartous	53,000	34.55N, 35.52E
Edleb	52,000	35.56N, 37.21E
Dera'a	50,000	32.37N, 36.06E

## SYRIA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Arabic Kurdish Armenian French English	
Ethnic Groups	Arab Kurdish and Other	90% 10%
Religions	Sunni Muslim Other Muslim Christian	74 % 16 % 10%

## JORDAN

## DESERTS: SYRIAN

## JORDAN - GENERAL INFORMATION

Area	91,880 sq km
Population Growth	3.62 %
Population Density	31 /sq km
Capital City	AMMAN

## JORDAN - MAJOR CITIES

	Population	Latitude, Longitude
AMMAN	813,000	31.57N, 35.56E
Zarqa	277,000	32.04N, 36.06E
Irbid	141,000	32.33N, 35.51E
Ajhm	47,000	32.20N, 35.45E
Jarash	32,000	32.17N, 35.45E
Madaba	26,000	31.44N, 35.48E

## JORDAN - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Arabic English	
Ethnic Groups	Arab Circassian Armenian	98% 1% 1%
Religions	Sunni Muslim Christian	95% 5%

## DESERTS: ARABIAN

## SAUDI ARABIA - GENERAL INFORMATION

Area	2,149,690 sq km
Population Growth	4.16 %
Population Density	7 /sq km
Capital City	RIYADH

## SAUDI ARABIA - MAJOR CITIES

	Population	Latitude, Longitude
RIYADH	1,976,000	24.39N, 46.46E
Jeddah	1,084,000	21.30N, 39.10E
Mecca	810,000	21.26N, 39.49E
Taif	300,000	21.15N, 40.21E
Medina	250,000	24.30N, 39.35E
Dammam	175,000	26.25N, 50.06E
Hufuf	120,000	25.20N, 49.34E
Tabouk	80,000	28.22N, 36.32E
Buraidah	75,000	26.20N, 43.59E
Al-Mobarraz	60,000	25.26N, 49.37E
Kharmis-Mushait	54,000	18.19N, 42.45E

**SAUDI ARABIA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS**

Languages	Arabic	
Ethnic Groups	Arab Afro-Asian	90% 10%
Religions	Muslim Other	99% 1%

**SOUTH AFRICA****BOTSWANA****DESERTS: KALAHARI****BOTSWANA - GENERAL INFORMATION**

Area	231,804 sq mi
Population 1988	1,190,000
Population Growth	3.49 %
Population Density	5 /sq mi
Capital City	GABORONE

**BOTSWANA - MAJOR CITIES**

	Population	Latitude, Longitude
GABORONE	95,000	24.45S, 25.55E
Francistown	34,000	21.07S, 27.32E
Selebi-Phikwe	33,000	21.58S, 27.48E
Serowe	25,000	22.25S, 26.44E
Mahalapye	22,000	23.05S, 26.51E
Molepolole	21,000	24.25S, 25.30E
Kanye	20,000	24.59S, 25.19E
Lobatse	20,000	25.11S, 25.40E
Mochudi	19,000	24.28S, 26.05E
Mauri	15,000	20.00S, 23.25E
Ramotswa	14,000	24.56S, 25.50E

## BOTSWANA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	English Setswana	
Ethnic Groups	Batswana Bushmen European	95 % 4% 1%
Religions	Indigenous Beliefs Christian	50 % 50 %

## NAMIBIA

### DESERTS: KALAHARA

## NAMIBIA - GENERAL INFORMATION

Area	318,261 sq mi
Population Growth	5.30 %
Population Density	4 /sq mi
Capital City	WINDHOEK

## NAMIBIA - MAJOR CITIES

	Population	Latitude, Longitude
WINDHOEK	100,000	22.34S, 17.06E
Tsumeb	13,000	19.13S, 17.42E
Keetmanshoop	11,000	26.36S, 18.08E
Otjiwarongo	9,000	20.29S, 16.36E
Luderitz	8,000	26.38S, 15.10E
Swakopmund	7,000	22.40S, 14.34E

## NAMIBIA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS

Languages	Afrikaans German English African Languages	
Ethnic Groups	Black White Mixed	86% 7% 7%

Religions	Christian Indigenous Beliefs	60% 40%
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**SOUTH AFRICA****DESERTS: KALAHARI****SOUTH AFRICA - GENERAL INFORMATION**

Area	471,443 sq mi
Population Growth	2.20 %
Population Density	74 /sq mi
Capital City	PRETORIA

**SOUTH AFRICA - MAJOR CITIES**

	Population	Latitude, Longitude
PRETORIA	800,000	25.45S, 28.12E
Cape Town	860,000	33.56S, 18.28E
Durban	810,000	29.53S, 31.00E
Johannesburg	770,000	26.10S, 28.02E
Port Elizabeth	300,000	33.58S, 25.36E
Roodepoort	210,000	26.10S, 27.53E
Umlazi	180,000	29.53S, 31.00E
Germiston	140,000	26.15S, 28.10E
Pietermaritzburg	130,000	29.36S, 30.24E
Boksburg	120,000	26.13S, 28.15E
Bloemfontein	110,000	29.07S, 26.14E

**SOUTH AFRICA - LANGUAGES, ETHNIC GROUPS AND RELIGIONS**

Language	Afrikaans English Zulu Xhosa Sotho and Other	
Ethnic Groups	African White Mixed East Indian	70% 18% 9% 3%
Religions	Christian Hindu Muslim and Other	60% 2% 38%